

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/04039

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> C22C38/00, C21D8/16, H01F1/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl<sup>7</sup> C22C38/00, C21D8/16, H01F1/16

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2003	Jitsuyo Shinan Toroku Koho	1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 62-70520 A (KAWASAKI STEEL CORP.), 01 April, 1987 (01.04.87), Claims; page 4, lower left column; page 5, lower right column (Family: none)	1-23
A	EP 0193324 A2 (KAWASAKI STEEL CORP.), 03 September, 1986 (03.09.86), Claims & JP 62-23984 A (KAWASAKI STEEL CORP.), 31 January, 1987 (31.01.87), Claims	1-23
A	JP 8-279408 A (Nippon Steel Corp.), 22 October, 1996 (22.10.96), Claims (Family: none)	1-23



Further documents are listed in the continuation of Box C.



See patent family annex.

\* Special categories of cited documents:  
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combination being obvious to a person skilled in the art  
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Date of the actual completion of the international search  
10 June, 2003 (10.06.03)

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24 June, 2003 (24.06.03)

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